

python

Python is a cool language that lets you talk to computers and make awesome things happen!



programming

Programming is like giving magical instructions to a computer to make it do fun and exciting things!

**print Hello in
python**

```
print("Hello")
```



Variable

A container that
holds a value or
data. Eg.

```
age=4
```

Boolean

A data type that represents either true or false.



Float

A number with decimals or fractions. Eg. **2.4**

String

A sequence of characters written inside quotes (" or """)



Integer

A whole number without decimals or fractions. Eg. **10, 2**

**Perform
addition in
python**

2+2



**print a letter 'h'
3 times**

print("h"*3)
Result--> hhh

**Perform
subtraction in
python**

2-2



**Perform
multiplication
in python**

4*5

**Perform
division in
python**

4/2



Add two texts

"hello" + "there"

hellothere

What is List?

A list in Python is like a magical container that can hold many things together.



Create a list of favorite food

```
food = ["pizza",  
"icecream", "mango"]
```



```
fruit=["apple","guava",  
       "banana","peach"]
```

Get the first element from the list

```
fruit[0]  
'apple'
```



```
fruit=["apple","guava",  
       "banana","peach"]
```

Get the 3rd element from the list

```
fruit[2]  
'banana'
```

```
fruit=["apple","guava",  
      "banana","peach"]
```

Get the last element from the list

```
fruit[-1]  
'peach'
```



```
fruit=["apple","guava",  
      "banana","peach"]
```

Get first 2 elements from the list

```
fruit[0:2]  
'apple', 'guava'
```

```
fruit=["apple","guava",  
      "banana","peach"]
```

Add orange to the list

```
fruit.append('orange')  
['apple', 'guava',  
'banana', 'peach',  
'orange']
```



```
fruit=["apple","guava",  
      "banana","peach"]
```

Remove apple from the list

```
fruit.remove('apple')  
'guava', 'banana',  
'peach'
```

Comment in Python

comment in Python is a line of code that is not executed by the program but serves as a note or explanation.



Single line comment

single-line comment in Python begins with the hash symbol (#).

#This is an example

Multiple line comment

A multi-line comment, is created by enclosing the comment text between triple quotes.

**""" This is an example
of multiline comment"""**



Jupyter Notebook

Jupyter Notebook is an interactive coding environment that allows you to write, run, and document Python code.